

WHAT IS CLAIMED IS:

1. A composition comprising, in a physiologically acceptable medium, rigid fibres and at least one compound chosen from film-forming polymers and waxes, wherein the composition has a thixotropic plastic behaviour.

2. The composition according to Claim 1, wherein at least 50% of the fibers, in numerical terms, are such that the angle formed between the tangent to the longitudinal central axis of the fibre at an end of the fibre and the line joining the said end to the point on the longitudinal central axis of the fibre corresponding to half the length of the fibre is less than 15°,

and the angle formed between the tangent to the longitudinal central axis of the fibre at a point situated halfway along the fibre and the line joining one of the ends to the point on the longitudinal central axis of the fibre corresponding to half the length of the fibre is less than or equal to 15° for an identical length of fibre ranging from 0.8 mm to 5 mm.3. The composition according to Claim 2, wherein at least 75% of the fibers, in numerical terms, are such that the angle formed between the tangent to the longitudinal central axis of the fibre at an end of the fibre and the line joining the said end to the point on the longitudinal central axis of the fibre corresponding to half the length of the fibre is less than 15°.

3. The composition according to Claim 2, wherein at least 75% of the fibers, in numerical terms, are such that the angle formed between the tangent to the longitudinal central axis of the fibre at an end of the fibre and the line joining the said end to the point on the longitudinal central axis of the fibre corresponding to half the length of the fibre is less than 15°.

4. The composition according to Claim 3, wherein at least 90% of the fibers, in numerical terms, are such that the angle formed between the tangent to the longitudinal central axis of the fibre at an end of the fibre and the line joining the said end to the point on the longitudinal central axis of the fibre corresponding to half the length of the fibre is less than 15°.

5. The composition according to Claim 2, wherein the angle formed between the tangent to the longitudinal central axis of the fibre at a point situated halfway along the fibre and the line joining one of the ends to the point on the longitudinal central axis of the fibre corresponding to half the length of the fibre is less than or equal to 15° for an identical length of fibre ranging from 1 mm to 4 mm.

6. The composition according to Claim 5, wherein the angle formed between the tangent to the longitudinal central axis of the fibre at a point situated halfway along the fibre and the line joining one of the ends to the point on the longitudinal central axis of the fibre corresponding to half the length of the fibre is less than or equal to 15° for an identical length of fibre ranging from 1 mm to 3 mm.

7. The composition according to Claim 6, wherein the angle formed between the tangent to the longitudinal central axis of the fibre at a point situated halfway along the fibre and the line joining one of the ends to the point on the longitudinal central axis of the fibre corresponding to half the length of the fibre is less than or equal to 15° for an identical length of fibre of 2 mm.

8. The composition according to Claim 2, wherein the said angle is less than or equal to 10°.

9. The composition according to Claim 8, wherein the said angle is less than or equal to 5°.

10. The composition according to Claim 1, wherein the substantially rectilinear rigid fibres have a length (L) ranging from 0.8 mm to 5 mm,

11. The composition according to Claim 10, wherein the substantially rectilinear rigid fibres have a length (L) ranging from 1 mm to 4 mm.

12. The composition according to Claim 11, wherein the substantially rectilinear rigid fibres have a length (L) ranging from 1 mm to 3 mm.

13. The composition according to Claim 1, wherein the substantially rectilinear rigid fibres have a section contained in a circle having a diameter (D) ranging from 2 nm to 500 μm .

14. The composition according to Claim 13, wherein the substantially rectilinear rigid fibres have a section contained in a circle having a diameter (D) ranging from 100 nm to 100 μm .

15. The composition according to Claim 14, wherein the substantially rectilinear rigid fibres have a section contained in a circle having a diameter (D) ranging from 1 μm to 50 μm .

16. The composition according to Claim 1, wherein the substantially rectilinear rigid fibres have an aspect ratio (L/D) ranging from 3.5 to 2,500.

17. The composition according to Claim 16, wherein the substantially rectilinear rigid fibres have an aspect ratio (L/D) ranging from 5 to 500.

18. The composition according to Claim 17, wherein the substantially rectilinear rigid fibres have an aspect ratio (L/D) ranging from 5 to 150.

19. The composition according to Claim 1, wherein the substantially rectilinear rigid fibres have a linear density ranging from 0.15 to 30 denier.

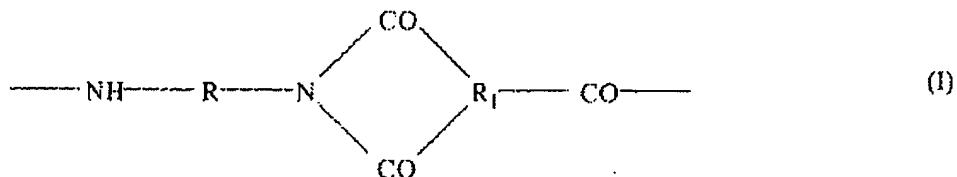
20. The composition according to Claim 19, wherein the substantially rectilinear rigid fibres have a linear density ranging from 0.18 to 18 denier.

21. The composition according to Claim 1, wherein the substantially rectilinear rigid fibres are fibres of a synthetic polymer chosen from polyesters, polyurethanes, acrylic polymers, polyolefins, and polyamides.

22. The composition according to Claim 1, wherein the substantially rectilinear rigid fibres do not comprise several alternate layers of polymers having different refractive indices.

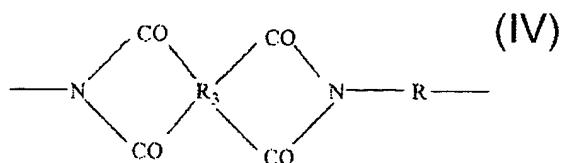
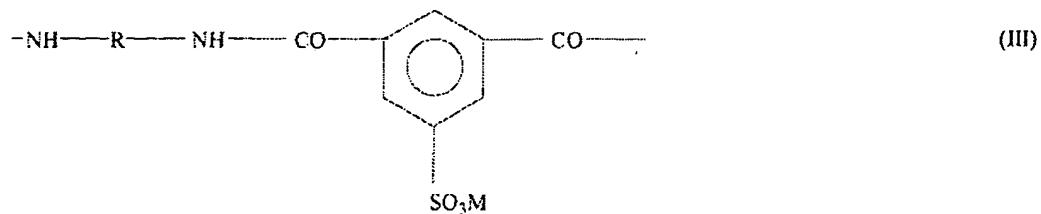
23. The composition according to Claim 1, wherein the substantially rectilinear rigid fibres are aromatic polyimide-amide fibres.

24. The composition according to Claim 1, wherein the substantially rectilinear rigid fibres are aromatic polyimide-amide fibres chosen from aromatic polyimide-amides comprising a repeating unit of formula (I):



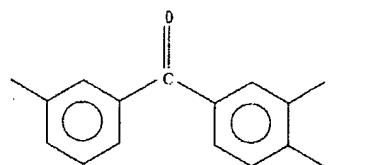
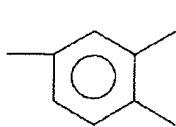
and optionally additionally comprising at least one repeating unit chosen from formulae (II), (III), and (IV):



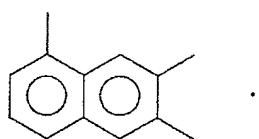


wherein R and R₂, which may be the same or different, are chosen from divalent aromatic groups, R₁ is chosen from trivalent aromatic groups, R₃ is chosen from tetravalent aromatic groups, and M is chosen from alkali metals and alkaline-earth metals.

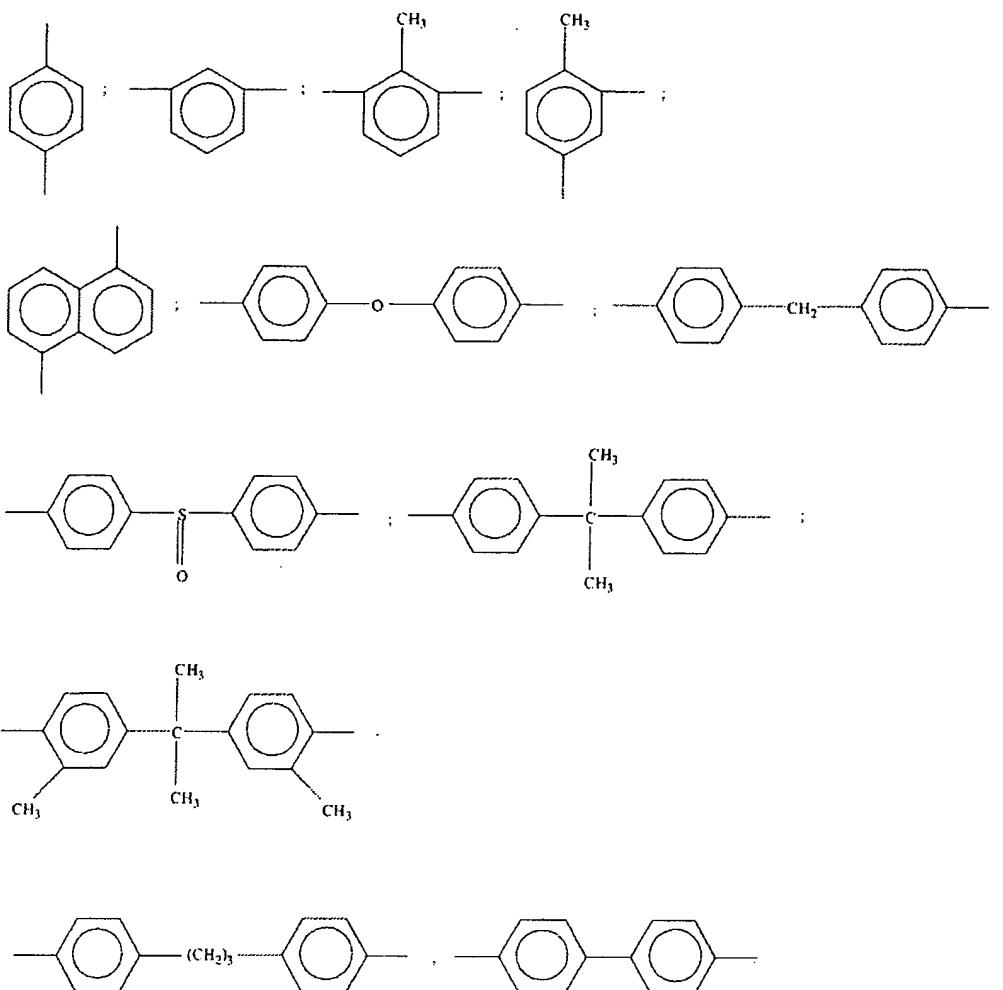
25. The composition according to Claim 24, wherein R₁ is chosen from :



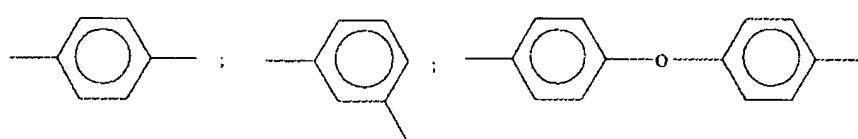
and



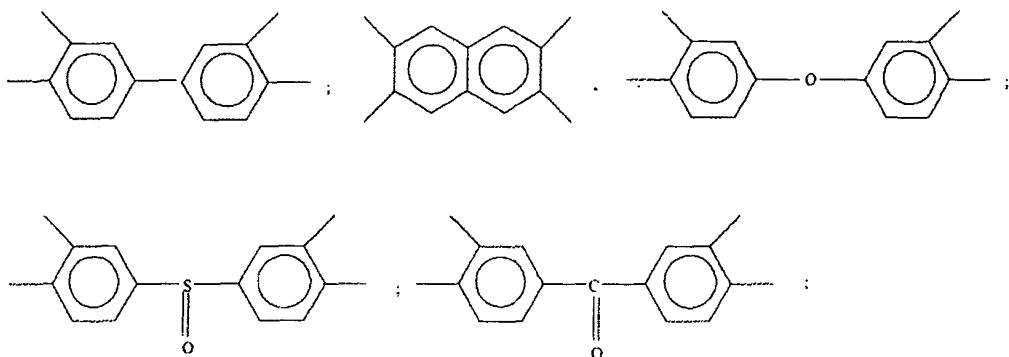
26. The composition according to Claim 24, wherein R is chosen from:



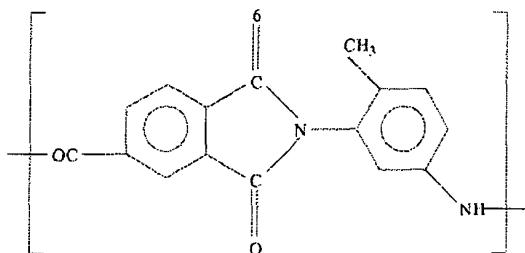
27. The composition according to Claim 24, wherein R₂ is chosen from:



28. The composition according to Claim 24, wherein R₃ is chosen from:



29. The composition according to Claim 24, wherein the polyimide-amide is obtained by polymerization of tolylene diisocyanate and trimellitic anhydride, and comprises repeating units of formula:



30. The composition according to Claim 1, wherein the substantially rectilinear rigid fibres are present in an amount ranging from 0.01% to 10% by weight, relative to the total weight of the composition.

31. The composition according to Claim 30, wherein the substantially rectilinear rigid fibres are present in an amount ranging from 0.1% to 5% by weight, relative to the total weight of the composition.

32. The composition according to Claim 31, wherein the substantially rectilinear rigid fibres are present in an amount ranging from 0.3% to 3% by weight, relative to the total weight of the composition.

33. The composition according to Claim 1, wherein said composition has an initial consistency G^*_i ranging from 1×10^2 Pa to 1×10^5 Pa, measured under a sinusoidal stress at a frequency of 1 Hz.

34. The composition according to Claim 33, wherein said composition has an initial consistency G^*_i ranging from 5×10^2 Pa to 5×10^4 Pa, measured under a sinusoidal stress at a frequency of 1 Hz.

35. The composition according to Claim 34, wherein said composition has an initial consistency G^*_i ranging from 6×10^2 Pa to 9×10^3 Pa, measured under a sinusoidal stress at a frequency of 1 Hz.

36. The composition according to Claim 1, wherein said composition has an initial elasticity δ_i ranging from 1° to 45°.

37. The composition according to Claim 36, wherein said composition has an initial elasticity δ_i ranging from 10° to 35°.

38. The composition according to Claim 1, wherein said composition has a yield point τ_C ranging from 10 Pa to 3 500 Pa.

39. The composition according to Claim 1, wherein said composition has a yield point τ_C ranging from 20 Pa to 1 000 Pa.

40. The composition according to Claim 1, further comprising at least one thixotropic thickening agent.

41. The composition according to Claim 1, wherein said composition comprises an aqueous medium.
42. The composition according to Claim 1, wherein said composition comprises water and optionally at least one hydrophilic organic solvent.
43. The composition according to Claim 42, wherein the at least one hydrophilic organic solvent is chosen from monoalcohols having from 2 to 5 carbon atoms, polyols having from 2 to 8 carbon atoms, C₃-C₄ ketones, and C₂-C₄ aldehydes.
44. The composition according to Claim 42, wherein the water or the mixture of water and the at least one hydrophilic organic solvent is present in an amount ranging from 0.1% to 90% by weight, relative to the total weight of the composition.
45. The composition according to Claim 44, wherein the water or the mixture of water and at least one hydrophilic organic solvent is present in an amount ranging from 0.1% to 60% by weight.
46. The composition according to Claim 40, wherein the at least one thixotropic thickening agent is a thixotropic thickener for aqueous mediums chosen from hydrophilic clay, carrageenan gum, and hydrophilic pyrogenic silica.
47. The composition according to Claim 46, wherein the hydrophilic clay is a clay chosen from smectites, vermiculites, stevensite, and chlorites.
48. The composition according to Claim 46, wherein the hydrophilic clay is chosen from montmorillonites, hectorites, bentonites, beidellite, and saponites.
49. The composition according to Claim 1, wherein said composition comprises a liquid fatty phase.
50. The composition according to Claim 49, wherein the liquid fatty phase comprises at least one fatty substance chosen from oils and organic solvents.

51. The composition according to Claim 50, wherein said composition comprises at least one oil chosen from oils of mineral, animal, plant, and synthetic origin, carbonaceous oils, hydrocarbonaceous oils, fluorinated oils, and silicone oils.

52. The composition according to Claim 49, wherein the liquid fatty phase is present in an amount ranging from 0.1% to 98% by weight, relative to the total weight of the composition.

53. The composition according to Claim 52, wherein the liquid fatty phase is present in an amount ranging from 1 to 80% by weight, relative to the total weight of the composition.

54. The composition according to Claim 50, wherein said composition comprises at least one volatile oil and/or at least one volatile organic solvent.

55. The composition according to Claim 54, wherein the at least one volatile oil is chosen from octamethylcyclotetrasiloxane, decamethylcyclopentasiloxane, dodecamethylcyclohexasiloxane, heptamethylhexyltrisiloxane, heptamethyloctyltrisiloxane, hexamethyldisiloxane, octamethyltrisiloxane, decamethyltetrasiloxane, dodecamethylpentasiloxane, and branched C₈-C₁₆ alkanes.

56. The composition according to Claim 54, wherein the at least one volatile oil is present in an amount ranging from 0.1% to 98% by weight, relative to the total weight of the composition.

57. The composition according to Claim 56, wherein the at least one volatile oil is present in an amount ranging from 1% to 65% by weight, relative to the total weight of the composition.

58. The composition according to Claim 50, wherein said composition comprises at least one nonvolatile oil.

59. The composition according to Claim 58, wherein the at least one nonvolatile oil is present in an amount ranging from 0.1% to 80% by weight, relative to the total weight of the composition.

60. The composition according to Claim 59, wherein the at least one nonvolatile oil is present in an amount ranging from 0.1% to 50% by weight, relative to the total weight of the composition.

61. The composition according to Claim 60, wherein the at least one nonvolatile oil is present in an amount ranging from 0.1% to 20% by weight, relative to the total weight of the composition.

62. The composition according to Claim 40, wherein the at least one thixotropic thickening agent is chosen from thixotropic thickeners for an oily medium.

63. The composition according to Claim 62, wherein the at least one thixotropic thickening agent for the oily medium is chosen from organophilic clays, hydrophobic pyrogenic silicas, and elastomeric organopolysiloxanes.

64. The composition according to Claim 40, wherein the at least one thixotropic thickening agent is present in an amount ranging from 0.5% to 15% by weight, relative to the total weight of the composition.

65. The composition according to Claim 64, wherein the at least one thixotropic thickening agent is present in an amount ranging from 1% to 15% by weight, relative to the total weight of the composition.

66. The composition according to Claim 65, wherein the at least one thixotropic thickening agent is present in an amount ranging from 2% to 10% by weight, relative to the total weight of the composition.

67. The composition according to Claim 66, wherein the at least one thixotropic thickening agent is present in an amount ranging from 2% to 8% by weight, relative to the total weight of the composition.

68. The composition according to Claim 40, further comprising at least one additional thickening agent.

69. The composition according to Claim 40, wherein the at least one additional thickening agent is a hydrophilic thickening agent.

70. The composition according to Claim 69, wherein the at least one additional hydrophilic thickening agent is an associative polyurethane.

71. The composition according to Claim 68, wherein the at least one additional thickening agent is a lipophilic thickening agent.

72. The composition according to Claim 68, wherein the at least one additional thickening agent is present in an amount ranging from 0.1% to 5% by weight, relative to the total weight of the composition.

73. The composition according to Claim 72, wherein the at least one additional thickening agent is present in an amount ranging from 0.1% to 3% by weight, relative to the total weight of the composition.

74. The composition according to Claim 1, wherein the at least one film-forming polymer is chosen from vinyl polymers, acrylic polymers, polyurethanes, polyesters, polyamides, polyureas, and cellulosic polymers.

75. The composition according to Claim 1, wherein the at least one film-forming polymer is present in the form of particles in aqueous dispersion.

76. The composition according to Claim 1, wherein the at least one film-forming polymer is present in a polymer dry matter content ranging from 0.1% to 60% by weight, relative to the total weight of the composition.

77. The composition according to Claim 76, wherein the at least one film-forming polymer is present in a polymer dry matter content ranging from 0.5% to 40% by weight, relative to the total weight of the composition.

78. The composition according to Claim 77, wherein the at least one film-forming polymer is present in a polymer dry matter content ranging from 1% to 30% by weight, relative to the total weight of the composition.

79. The composition according to Claim 1, wherein the wax has a melting point ranging from 30°C to 120°C.

80. The composition according to Claim 1, wherein the wax is chosen from beeswax, lanolin wax, Chinese waxes; rice wax, Carnauba wax, Candelilla wax, Ouricury wax, cork fibre wax, sugarcane wax, Japan wax, sumac wax; montan wax, microcrystalline waxes, paraffin waxes, ozokerites, ceresin wax, lignite wax, polyethylene waxes, the waxes obtained by Fischer-Tropsch synthesis, fatty acid esters, glycerides which are solid at 40°C, waxes obtained by catalytic hydrogenation of animal or vegetable oils having linear and/or branched C₈-C₃₂ fatty chains; silicone waxes, and fluorinated waxes.

81. The composition according to Claim 1, wherein the wax has a hardness ranging from 0.05 MPa to 15 MPa.

82. The composition according to Claim 1, wherein the wax is present in an amount ranging from 0.1% to 50% by weight, relative to the total weight of the composition.

83. The composition according to Claim 82, wherein the wax is present in an amount ranging from 0.5% to 30% by weight, relative to the total weight of the composition.

84. The composition according to Claim 83, wherein the wax is present in an amount ranging from 1% to 20% by weight, relative to the total weight of the composition.

85. The composition according to Claim 1, further comprising at least one fatty substance.

86. The composition according to Claim 1, further comprising at least one surfactant.

87. The composition according to Claim 1, further comprising additional short fibres having a length of less than 0.8 mm, wherein said additional short fibres are different from the substantially rectilinear rigid fibres.

88. The composition according to Claim 87, wherein the length of the additional short fibres ranges from 0.1 mm to 0.5 mm.

89. The composition according to Claim 1, further comprising at least one colouring substance.

90. The composition according to Claim 89, wherein the at least one colouring substance is chosen from pigments, pearlescent agents, fat-soluble colorants, and water-soluble colorants.

91. The composition according to Claim 89, wherein the at least one colouring substance is present in an amount ranging from 0.01% to 30% by weight, relative to the total weight of the composition.

92. The composition according to Claim 1, further comprising at least one filler.

93. The composition according to Claim 1, further comprising at least one cosmetic additive chosen from antioxidants, preservatives, perfumes, neutralizing agents, emollients, moisturizers, vitamins, sunscreens, plasticizing agents, and coalescing agents.

94. A composition comprising, in a physiologically acceptable medium, substantially rectilinear rigid fibres and at least one compound chosen from film-forming polymers and waxes, wherein the composition has a thixotropic plastic behaviour, and wherein said composition is in a form chosen from a composition for coating the eyelashes, a product for the eyebrows, an eyeliner, a product for the lips, a blusher, an eye shadow, a foundation, a make-up product for the body, a concealer, a nail varnish, and a care product for the skin.

95. A composition comprising, in a physiologically acceptable medium, substantially rectilinear rigid fibres and at least one compound chosen from film-forming polymers and waxes, wherein the composition has a thixotropic plastic behaviour, and wherein said composition is in a form chosen from a care composition for keratinous fibres and a make-up composition for keratinous fibres.

96. A composition comprising, in a physiologically acceptable medium, substantially rectilinear rigid fibres and at least one compound chosen from film-forming polymers and waxes, wherein the composition has a thixotropic plastic behaviour, and wherein the composition is a mascara.

97. A cosmetic method for making up and caring for keratinous materials comprising applying to keratinous materials a composition comprising, in a physiologically acceptable medium, substantially rectilinear rigid fibres and at least one compound chosen from film-forming polymers and waxes, wherein the composition has a thixotropic plastic behaviour.

98. The cosmetic method according to Claim 97, wherein the keratinous materials are eyelashes.

99. A method for obtaining a homogenous deposit on keratinous materials, comprising

applying to the keratinous materials a composition comprising, in a physiologically acceptable medium, substantially rectilinear rigid fibres and at least one compound chosen from film-forming polymers and waxes, wherein the composition has a thixotropic plastic behaviour.

100. A method for obtaining a lengthening effect of eyelashes comprising,

applying to the eyelashes a composition comprising, in a physiologically acceptable medium,

substantially rectilinear rigid fibres and at least one compound chosen from film-forming polymers and waxes, wherein the composition has a thixotropic plastic behaviour.